PPG310PS

310 kVA
ROUNDED CATALOGUE CLASS

Perkins diesel generator | Acoustic canopied

Designed and manufactured in the United Kingdom



Representative PPG enclosure; final build may vary.

SELECTED CONFIGURATION

ENGINE
Perkins 1506A-E88TAG4

ALTERNATOR
Stamford S4L1D-D41

ELECTRICAL OUTPUT
400 V | 3-phase | 50 Hz

PRIME POWER / PRP
283 kVA 226 kW

STANDBY POWER / ESP
308 kVA 246 kW

Ratings shown at 400 V, 3-phase, 50 Hz. The PPG model number is a rounded class; use the exact ratings for selection.

PUBLISHED ELECTRICAL RATINGS

Voltage (V)	Connection	ESP (kVA)	ESP (kW)	PRP (kVA)	PRP (kW)
190	PS	307	246	284	227
200	PS	308	246	283	226
208	PS	309	247	284	227
220	PS	311	249	285	228
220	SD	307	246	283	226
230	SD	308	246	283	226
240	SD	309	247	284	227
254	SD	311	249	285	228
380	SS	307	246	283	226
400	SS	308	246	283	226
415	SS	309	247	284	227
440	SS	311	249	285	228

PRP = prime power. ESP = emergency standby power. Values apply to the selected engine and alternator above. Connection codes follow the reference specification and must be confirmed before installation.

Perkins Power Generators is a trading name of GenPro Power Solutions.
Exact build, performance and delivery scope are confirmed in the quotation.

Technical specification

PPG310PS | Perkins **1506A-E88TAG4** | Acoustic canopied

ENGINE

Manufacturer	Perkins
Model	**1506A-E88TAG4**
Aspiration	Turbocharged
Combustion	Direct Injection
Cycle	4 Stroke
Governor	Electronic
Cylinders	6
Arrangement	In Line
Displacement	8.8L
Bore	112mm
Stroke	149mm
Compression ratio	16.1:1
Cooling	Liquid Cooled
Coolant capacity	33.2L
Oil capacity	41.0L

ALTERNATOR

Manufacturer	Stamford
Model	**S4L1D-D41**
Type	Brushless
Phases	3
Bearings	1
Poles	4
Leads	12
AVR	**AS440**
Voltage regulation	1%
Insulation class	H
Excitation	Self Excited
Winding	311
Harmonic content	<5.00%
Short circuit	>300%

REFERENCE FUEL CONSUMPTION

50% LOAD	75% LOAD	100% LOAD	110% LOAD
31.6 L/h	**45.8 L/h**	**60.2 L/h**	**66.3 L/h**

Reference figures vary with operating conditions and the confirmed duty.

INSTALLATION INFORMATION

L x W x H (mm)	REFERENCE WEIGHT	FUEL TANK
3958 x 1504 x 2384	**3500.65 kg**	**500 L**

Reference frame 2900E (UK/EU). Drawing, weights and tank capacity are subject to the ordered build.

SPECIFY YOUR PROJECT

Tell us your site load, required voltage and phase, prime or standby duty, ambient conditions and installation requirements. PPG will confirm a suitable build and its exact specification.

Final enclosure, controls, protection, acoustics and emissions suitability must be specified for the project. This sheet is a configuration guide, not an installation drawing.
PPG technical specification | Reviewed 2026-10-12

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